L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
AN **1981:520887** CAPLUS
DN 95:120887
TI Asymmetric polyvinylidenefluoride (PVDF) radiation grafted membranes: preparation and performance in reverse osmosis application
AU Vigo, Fernando; Capannelli, Gustavo; Uliana, Claudio; Munari, Stelio
CS Inst. Ind. Chem., Univ. Genoa, Genoa, Italy
SO Desalination (1981), 36(1), 63-73
CODEN: DSLNAH; ISSN: 0011-9164
DT Journal
LA English
CC 61-4 (Water)
AB Membranes were prepd. starting from asym. poly(vinylidene fluoride)films, obtained by the casting and gelation technique and modified by radiochem. grafting with styrene and sulfonation. These membranes were tested in a reverse-osmosis lab, and their performances were detd. as a function of the prepn. parameters. The influences of evapn. time, grafting, temp., and solvents were investigated. These membranes exhibit permeabilities .ltoreq.2000 L/m2-day and NaCl rejections of .ltoreq.70%.
ST polyvinylidene fluoride membrane reverse osmosis; radiation grafted membrane reverse osmosis
IT Water purification
(reverse osmosis, sulfonated styrene-grafted poly(vinylidene fluoride) membranes for)
IT Membranes and Diaphragms
(reverse-osmosis, sulfonated styrene-grafted poly(vinylidene fluoride), for water purifn.)
IT 31566-66-2D, sulfonated
RL: OCCU (Occurrence)
(graft, reverse osmosis membranes, for water purifn.)

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